FortWear

Lightweight advanced personal ballistic panel solutions

Elbit Systems™
C4I and Cyber

FortWear

Lightweight advanced personal ballistic panel solutions

The advanced, innovative FortWear technology addresses the need for high-end, personal ballistic protection solutions to meet the wide range of challenges and threats faced by law enforcement agencies, special forces and armed forces worldwide, from small arms to X-type threats. The low profile, high-performance, covert personal panels are suitable for products at all levels of protection and sophistication. The panels are tailor-made to meet customer requirements and specific threats, all at a competitive price.

Technology overview and capabilities

Based on a unique patented ceramic thermal arresting technology and process to create pre-stressed ceramic plates with improved impact resistance. The thinner and lighter ceramic plate offers significant reduction in size and weight, increasing wearability and comfort and reducing weight burden and fatigue, while providing a high level of reliable protection with reduced physical trauma upon impact.

Standalone hard ballistic plate with 6 hits of armor piercing AK-47 7.62x39 API-BZ bullets, including 3 shots 35mm from the edge of the plate. All shots were completely stopped by the plate.

Reduced size and weight

FortWear personal ballistic panels **are up to 30% lighter and 50% thinner** than standard panels on the market, using the same COTS materials.

Improved protection

FortWear panels provide high multi-hit capability. The panels can stop more bullets at shorter distances and prevent fatal hits.

Increased durability

The compressed ceramic plate is exceptionally durable, offering enhanced protection against cracks from drops and accidental hits, resulting in longer life cycle of the plates and reduced ILS cost.

Reduced front spall angle

The materials used to create the compression stress significantly reduce front spall and debris angle.

Customized solutions for all protection standards

Elbit Systems offers advanced technology solutions for all protection levels. The FortWear solutions undergo testing for key performance metrics and are qualified for the highest standard of ballistic resistance for body armor - NIJ0101.06, NIJ0101.07 (under qualification process) and customer requirements.

Multi-threat solutions

Elbit Systems offers advanced solutions for SAPI (small arms protective insert), ESAPI (enhanced SAPI), and XSAPI (X-Threat) protection products. XSAPI is a component of the Multiple Threat Body Armor (MTBA) in combat use by U.S. Army ground forces. Elbit Systems' FortWear solution for XSAPI plate design tested in conjunction with basic soft aramid layers passed FAT ballistic testing at NIJ certified laboratories, stopping up to 4 X-type threat bullets in a test that requires 2 stops, while reducing the overall weight and thickness by more than 12%.

FortWear

Lightweight advanced personal ballistic panel solutions

Key Benefits

- Designed for wearability and comfort
- Ideal for covert and VIP use
- Multi-threat solutions
- Qualified ballistic resistance NIJ0101.06
- Competitive price

Key Features

- Lighter and thinner than commonly used panels
- Low profile
- Enhanced durability
- Multi-hit capability
- Pre-stressed ceramic plate
- Available both as add-on (in conjunction with soft armor) and as standalone protection

Elbit Systems C⁴I and Cyber
2 Hamachshev St., Netanya 4250712, Israel
E-mail: C4icyber.info@elbitsystems.com www.elbitsystems.com

Follow us on

The logo brand, product, service, and process names appearing herein are the trademarks or service marks of Elbit Systems Ltd., its affiliated companies or, where applicable, of other respective holders. All information in this document is for general information only, and is subject for change without notice. © 2018. This brochure contains Elbit Systems and others proprietary information. EP20-MKT-059